

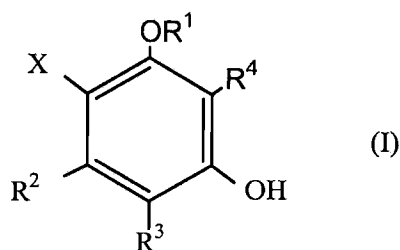
**AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

**LISTING OF CLAIMS**

[1] (currently amended) A compound represented by formula (I),

[Formula 1]



~~[wherein wherein]~~

X is a hydrogen atom or a halogen atom;

$\text{R}^1$  is a hydrogen atom or  $-(\text{C}_n\text{H}_{2n})-\text{R}'$  (wherein n is an integer of 1 to 5; and  $\text{R}'$  is a hydrogen atom, a group  $\text{COOR}''$  or  $-\text{COR}'''$  of a substituent on any one of the n carbon atoms, wherein  $\text{R}''$  is a hydrogen atom or a  $\text{C}_{1-4}$  alkyl group; and  $\text{R}'''$  is a pyridyl group, an amino group substituted with a  $\text{C}_{1-4}$  alkyl group, a phenoxyalkyl group having a halogen atom on the carbon atoms of the benzene ring or a phenyl group having a  $\text{C}_{1-4}$  alkoxy group or a  $\text{C}_{1-4}$  alkoxycarbonyl group on the carbon atoms of the benzene ring);

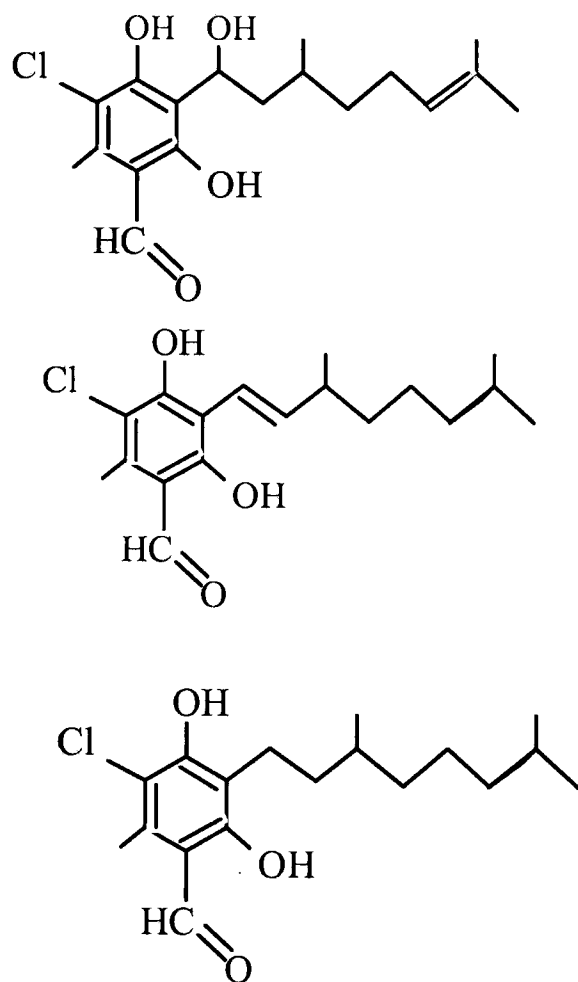
$\text{R}^2$  is a hydrogen atom or a  $\text{C}_{1-4}$  alkyl group;

$\text{R}^3$  is  $-\text{CHO}$  or  $-\text{COOH}$ ; and

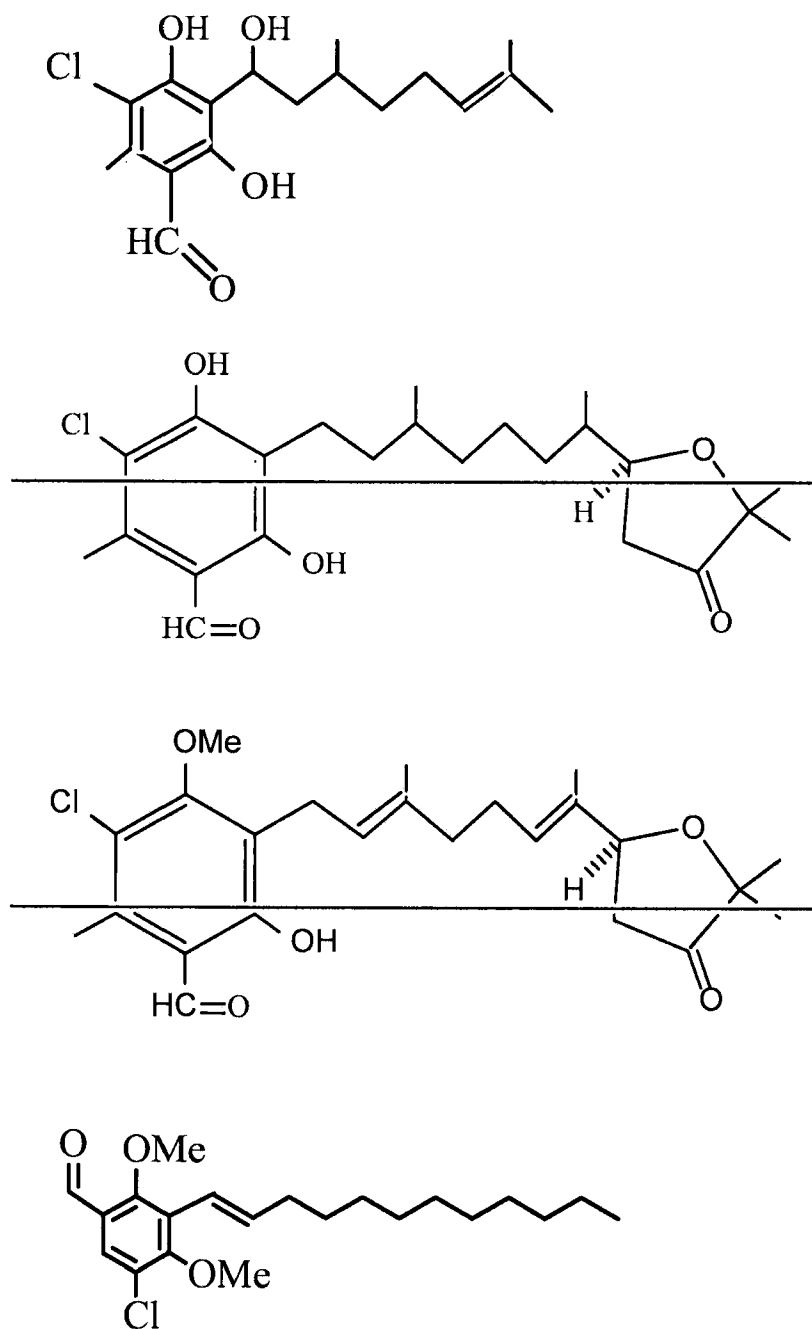
$\text{R}^4$  is  $-\text{CH}=\text{CH}-(\text{CH}_2)_p-\text{CH}_3$  (wherein p is an integer of 1 to 12),  $-\text{CH}(\text{OH})-(\text{CH}_2)_q-\text{CH}_3$  (wherein q is an integer of 1 to 13),  $-\text{CH}(\text{OH})-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_2-\text{CH}=\text{C}(\text{CH}_3)_2$ ,  $-\text{CH}=\text{CH}-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-\text{CH}(\text{CH}_3)_2$ ,  $-(\text{CH}_2)_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-\text{CH}(\text{CH}_3)_2$  or  $-(\text{CH}_2)_8-\text{CH}_3$ ],

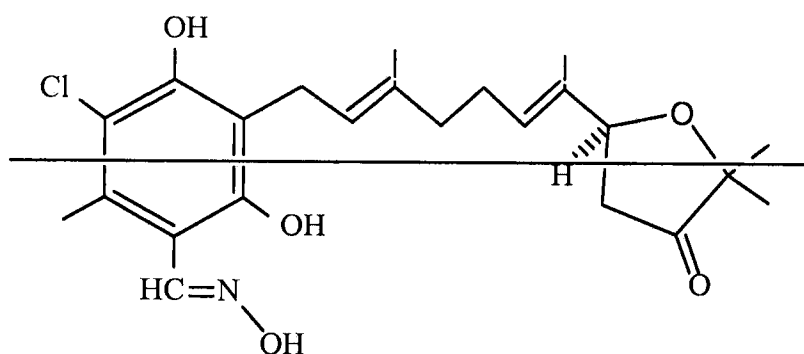
a compound represented by the following formulae,

[Formula 2-1]



[Formula 2-2]



~~{Formula 2-3}~~

an optical isomer thereof or a pharmaceutically acceptable salt thereof.

[2] (original) The compound of claim 1 represented by formula (I),

wherein

X is a hydrogen atom;

R<sup>1</sup> is a hydrogen atom;

R<sup>2</sup> is a C<sub>1-4</sub> alkyl group;

R<sup>3</sup> is -CHO; and

R<sup>4</sup> is -CH(OH)-(CH<sub>2</sub>)<sub>q</sub>-CH<sub>3</sub> (wherein q is an integer of 1 to 12),

an optical isomer thereof or a pharmaceutically acceptable salt thereof.

[3] (original) The compound of claim 1 represented by formula (I),

wherein

X is a halogen atom;

R<sup>1</sup> is a hydrogen atom;

R<sup>2</sup> is a C<sub>1-4</sub> alkyl group;

R<sup>3</sup> is -CHO; and

R<sup>4</sup> is -CH(OH)-(CH<sub>2</sub>)<sub>q</sub>-CH<sub>3</sub> (wherein q is an integer of 1 to 12),

an optical isomer thereof or a pharmaceutically acceptable salt thereof.

[4] (original) The compound of claim 1 represented by formula (I),

wherein

X is a hydrogen atom or a halogen atom;

R<sup>1</sup> is a hydrogen atom;

R<sup>2</sup> is a hydrogen atom or a C<sub>1-4</sub> alkyl group;

R<sup>3</sup> is -CHO; and

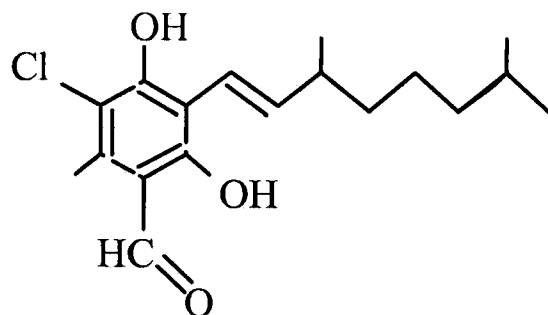
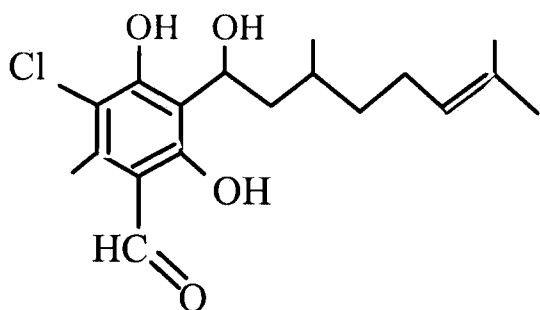
R<sup>4</sup> is -CH=CH-(CH<sub>2</sub>)<sub>p</sub>-CH<sub>3</sub> (wherein p is an integer of 1 to 12),

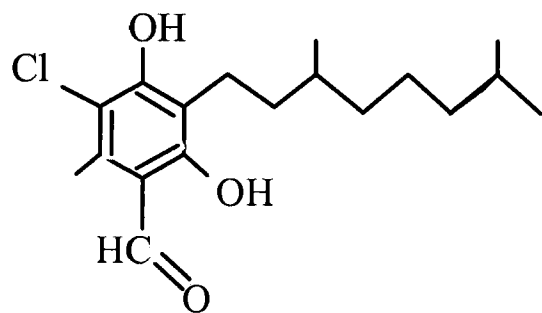
an optical isomer thereof or a pharmaceutically acceptable salt thereof.

[5] (currently amended) The compound of claim 1 selected from the following

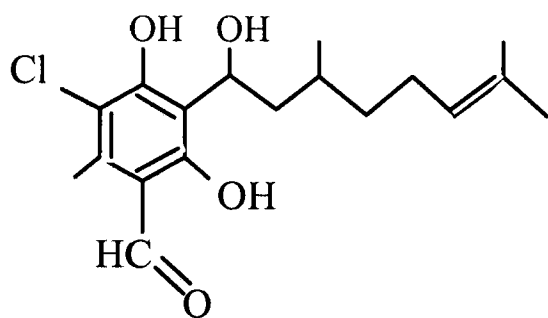
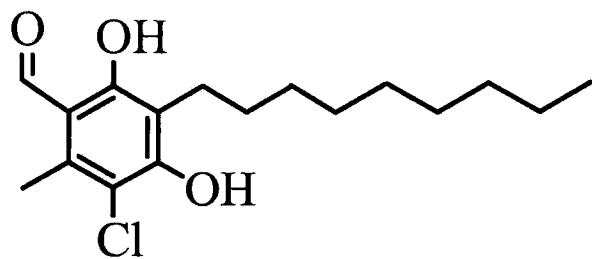
formulae:

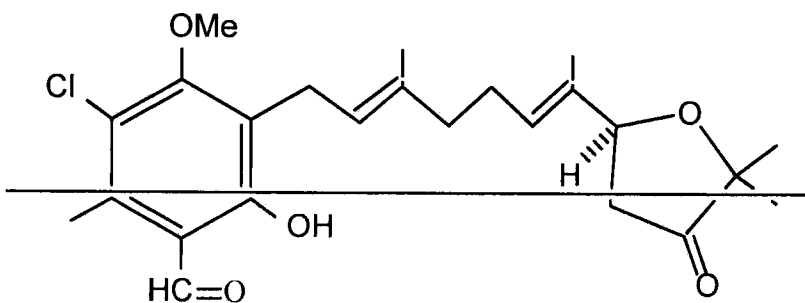
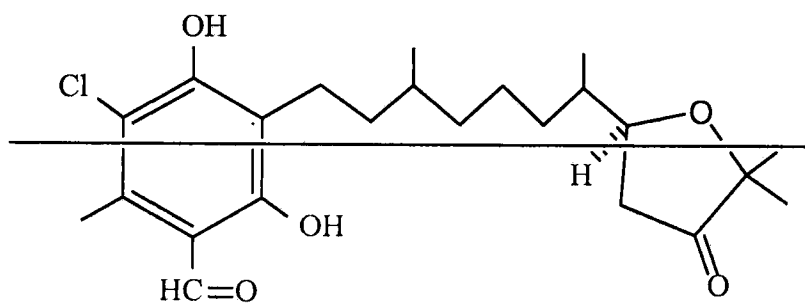
[Formula 3-1]



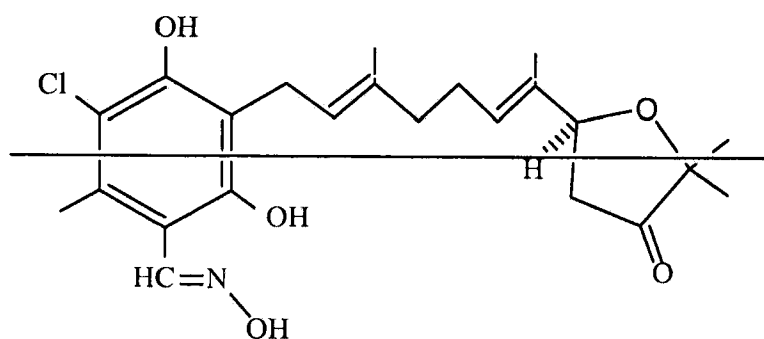
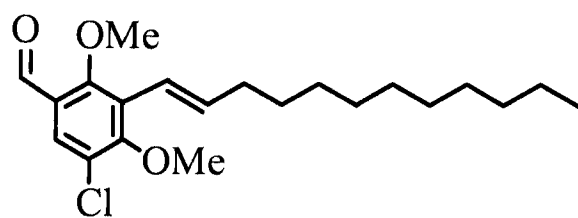


[Formula 3-2]





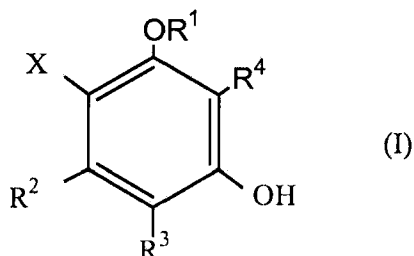
[Formula 3-3]



an optical isomer thereof or a pharmaceutically acceptable salt thereof.

[6] (currently amended) A pharmaceutical composition comprising at least one of a compound represented by formula (I),

[Formula 4]



~~[wherein wherein~~

X is a hydrogen atom or a halogen atom;

R<sup>1</sup> is a hydrogen atom or  $-(C_nH_{2n})-R'$  (wherein n is an integer of 1 to 5; and R' is a hydrogen atom, a group COOR'' or  $-COR'''$  of a substituent on any one of the n carbon atoms, wherein R'' is a hydrogen atom or a C<sub>1-4</sub> alkyl group; and R''' is a pyridyl group, an amino group substituted with a C<sub>1-4</sub> alkyl group, a phenoxyalkyl group having a halogen atom on the carbon atoms of the benzene ring or a phenyl group having a C<sub>1-4</sub> alkoxy group or a C<sub>1-4</sub> alkoxycarbonyl group on the carbon atoms of the benzene ring);

R<sup>2</sup> is a hydrogen atom or a C<sub>1-4</sub> alkyl group;

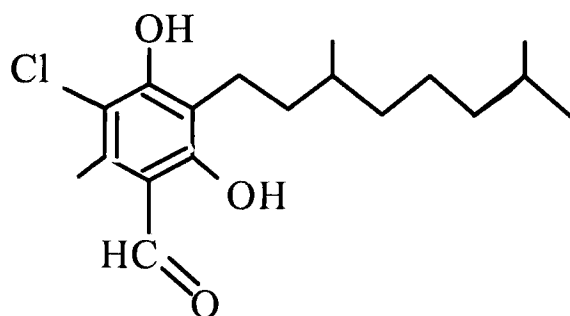
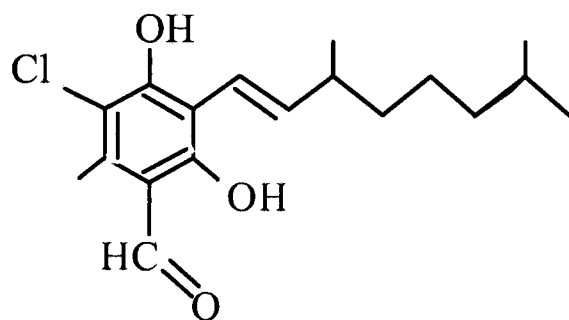
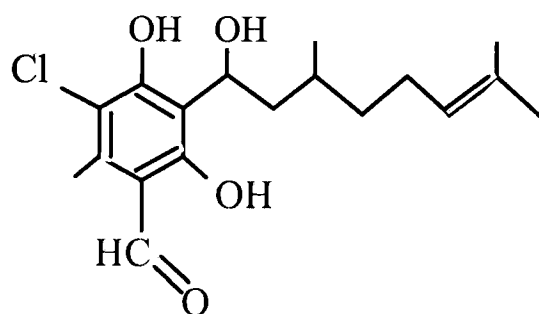
R<sup>3</sup> is  $-CHO$  or  $-COOH$ ; and

R<sup>4</sup> is  $-CH=CH-(CH_2)_p-CH_3$  (wherein p is an integer of 1 to 12),  $-CH(OH)-(CH_2)_q-CH_3$  (wherein q is an integer of 1 to 13),  $-CH(OH)-CH_2-CH(CH_3)-(CH_2)_2-CH=C(CH_3)_2$ ,  $-CH=CH-CH(CH_3)-(CH_2)_3-CH(CH_3)_2$ ,  $-(CH_2)_2-CH(CH_3)-(CH_2)_3-CH(CH_3)_2$  or  $-(CH_2)_8-CH_3$ ],

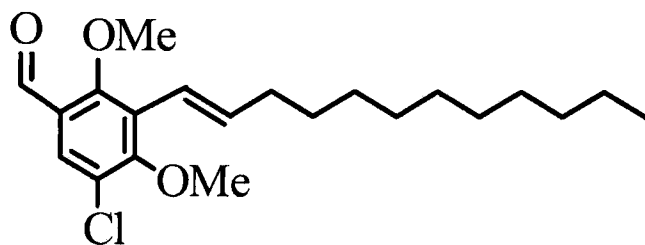
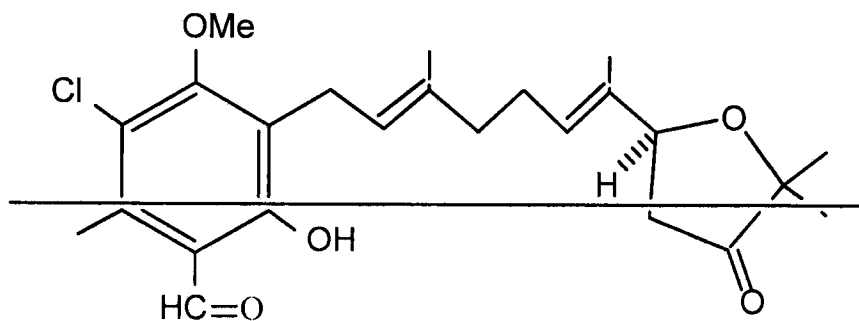
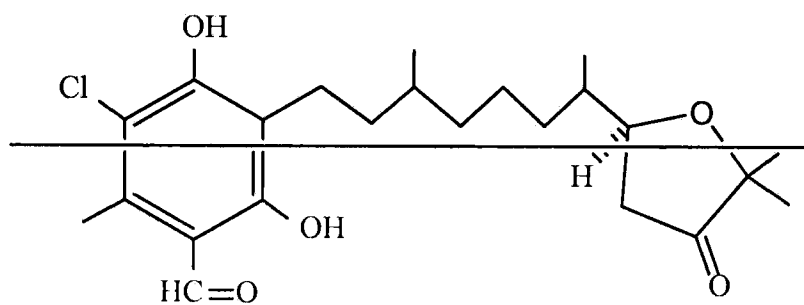
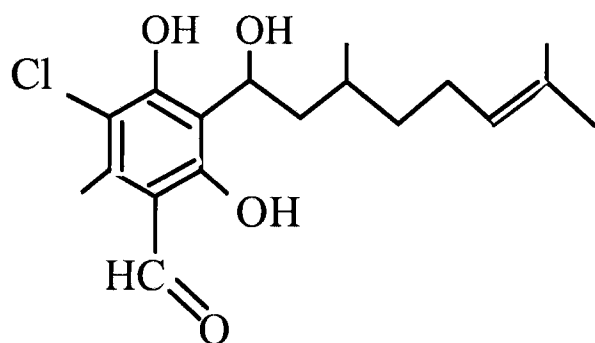


a compound represented by the following formulae:

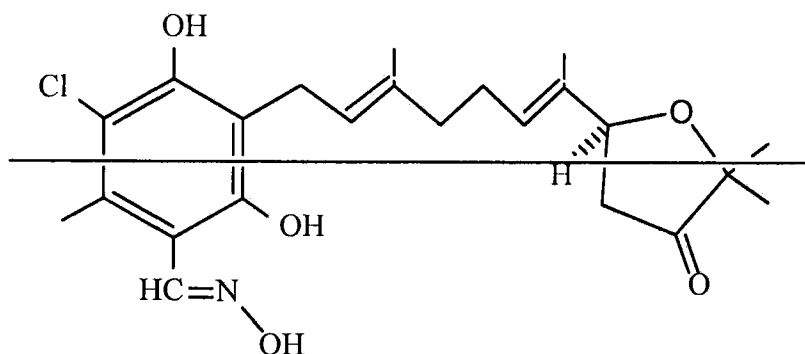
[Formula 5-1]



[Formula 5-2]



[Formula 5-3]



an optical isomer thereof and an pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.

[7] (original) The pharmaceutical composition of claim 6 comprising a compound represented by formula (I),

wherein

X is a hydrogen atom;

R<sup>1</sup> is a hydrogen atom;

R<sup>2</sup> is a C<sub>1-4</sub> alkyl group;

R<sup>3</sup> is -CHO; and

R<sup>4</sup> is -CH(OH)-(CH<sub>2</sub>)<sub>q</sub>-CH<sub>3</sub> (wherein q is an integer of 1 to 12).

[8] (original) The pharmaceutical composition of claim 6 comprising a compound represented by formula (I),

wherein

X is a halogen atom;

R<sup>1</sup> is a hydrogen atom;

R<sup>2</sup> is a C<sub>1-4</sub> alkyl group;

R<sup>3</sup> is -CHO; and

$R^4$  is  $-\text{CH}(\text{OH})-(\text{CH}_2)_q-\text{CH}_3$  (wherein  $q$  is an integer of 1 to 12).

[9] (original) The pharmaceutical composition of claim 6 comprising a compound represented by formula (I),

wherein

$X$  is a hydrogen atom or a halogen atom;

$R^1$  is a hydrogen atom;

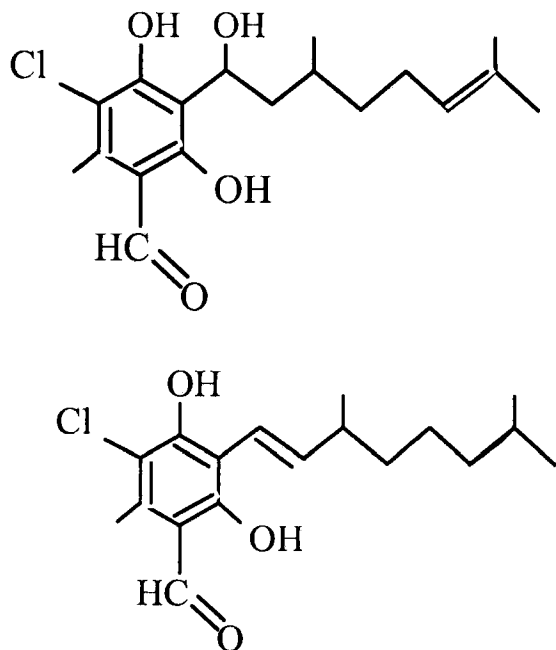
$R^2$  is a hydrogen atom or a  $\text{C}_{1-4}$  alkyl group;

$R^3$  is  $-\text{CHO}$ ; and

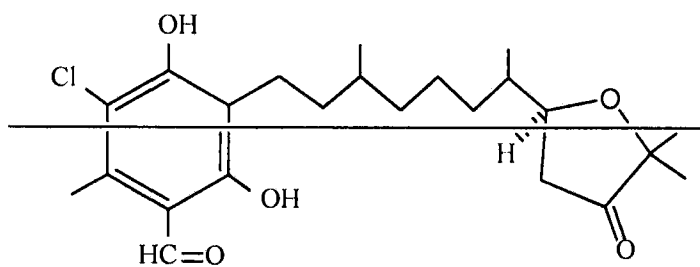
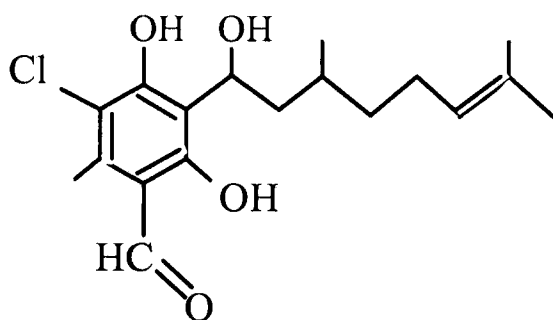
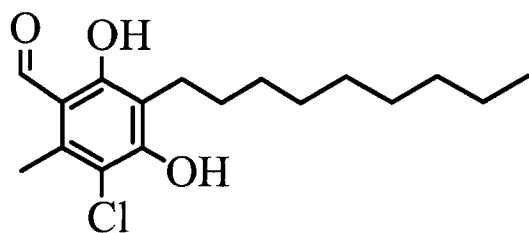
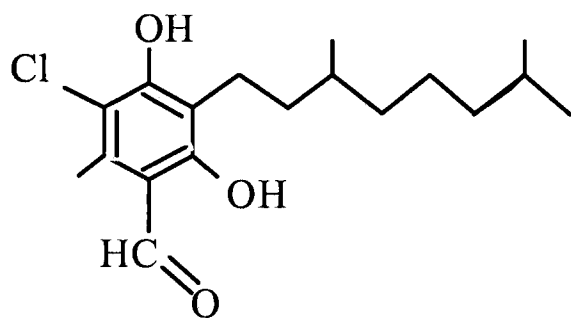
$R^4$  is  $-\text{CH}=\text{CH}-(\text{CH}_2)_p-\text{CH}_3$  (wherein  $p$  is an integer of 1 to 12).

[10] (currently amended) The pharmaceutical composition of claim 6 comprising at least one of a compound represented by the following formulae:

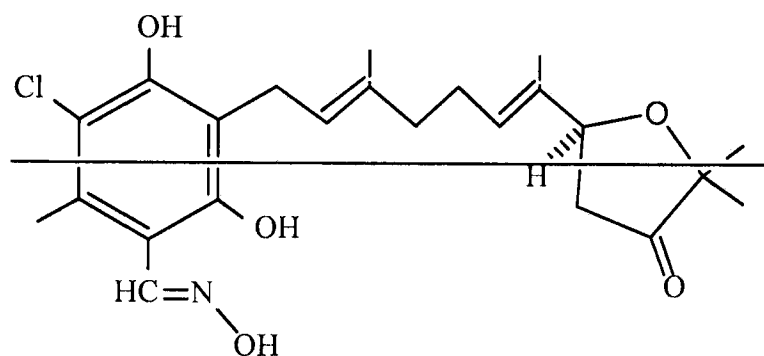
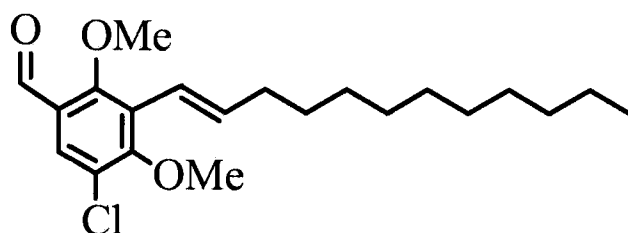
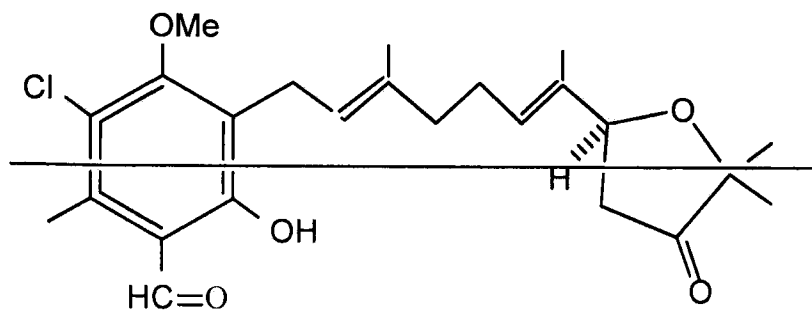
[Formula 6-1]



[Formula 6-2]



[Formula 6-3]



an optical isomer thereof and a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.

[11] (original) The pharmaceutical composition of any one of claims 6 to 10 which comprises glycerin.

[12] – [17] cancelled